

ABSTRACT OF THE DISCLOSURE

In a modem system connecting two modems over the telephone lines, a method is disclosed that transmits identification data regarding the two modems. Furthermore, the connection between the two modems may be optimized based upon information regarding the compatibility of the two modems. In addition, a secondary logic channel, which may remain open throughout the duration of the connection may also be used to transmit data about the modems. The secondary logic channel would only transmit data if the primary data channel is not being fully used. The secondary logic channel may be used to transmit various diagnostic information between the modems.

001160" 50129960